

The Reactions of Free Radicals in Solution. XI.
The Mechanism of the ~~INHIBITING~~ Inhibiting Effect
of Quinones on the Thermal Polymerization of
Styrene, by B. A. Dolgoplosk, D. Sh. Karotkina,
7 pp.

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1957, pp 2546-2552.

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Reactions of Free Radicals in Solution. V.
Mechanism of the Inhibiting Effect of Poly-
phenols and Aromatic Amines on Styrene Poly-
merization, by B. A. Dolgoplosk, D. Sh.
Korotkina, 5 pp.

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No 8, 1957, pp 2226-2231.

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The Derivation of Models of Liquid Media and
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A Method of Production of Cirrhosis of the Liver with
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Kritsman, R. N. Korotkina, B. S. Sukhareva, A. V.
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Cemented Carbided Studies by Physical Methods.

ZAVODSKAYA, LABORATORIYA, vol 7, 1938, pp 202-204;
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Guanase Activity in the Tissue of Healthy
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SLA 60-10216

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Method of Purifying Liver Xanthinoxidase of
Healthy Animals and Those Having Malignant
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V. P. Korotkoruchko, 19 pp.

EN UKRAINIAN, qu per, Ukr Biokhim Zhur, Vol XXVI,
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CIA/FDD U-8024

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CLB R-309/57

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The Activity of Certain Glycolytic Enzymes in the
Blood of Cancer Patients, by V. P. Korotkornichko,
P. D. Dvornikova, I. N. Ishchenko, 6 pp.

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JPRS 10786

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Sci - Med

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Korotkorucho, V. P. and Fedorova, G. P.
 PHYSICO-CHEMICAL PROPERTIES OF SERUM
 PROTEINS IN RABBITS WITH BROWN-PEARCE
 CARCINOMA. [1963] [16p] Zirefs FASEB Manuscript
 no.: S 395-2.
 Order from OTS, SLA, or BTC \$1.60 TT-63-24522

Trans. of Ukrayins'kyi Biokhimichnyi Zhurnal (USSR)
 1962, v. 34, no. 1, p. 23-31. (Abstract available)

DESCRIPTORS: Physical chemistry, *Blood proteins,
 Rabbits, *Cancer, Blood chemistry, Diagnostic agents,
 Diagnosis,

A substantial decrease in the quantity of reactive SH-
 groups in natural blood serum of carcinomatous rabbits
 as compared with that of healthy rabbits was shown,
 both per 100 ml of serum and per 1 g of protein. In
 protein precipitated by nitric acid from the serum of
 (Biological Sciences--Pathology, TT, v. 11, no. 6)over)

TT-63-24522

- I. Title: Brown-Pearce carcinoma
- I. Korotkorucho, V. P.
- II. Fedorova, G. P.
- III. FASEB-S-395-2
- IV. Federation of American Societies for Experimental Biology, Washington, D. C.
- V. Scripta Technica, Inc., Washington, D. C.

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{NY-5689/2}

On Certain Physico-Chemical Properties of Proteins
of Blood Serum During Malignant Growth, by V. P.
Korotkoruchko, 15 pp.

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UKRAINIAN,) Ukrayins'kyy Biokhimichnyy Zhurnal,
Vol XXXII, No 5, 1960, pp 655-666.

JPRS 9005

Sci - Med

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Effects of the Fluctuations in the Electrode Potentials
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JPRS 7362

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Scientific - Geophysics
67-2234

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Malignant Foot-and Mouth Disease of Cattle
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V. D. Grichenkov.

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USDA Tr V-1155

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Sci - Med

Feb 62

The Relationship between Secretion and Incretion
of Pepsinogen, by G. F. Korot'ko, 6 pp.

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TT-65-29240

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Korotkov, A. A.; Lishanekil, I. S.; Zak, A. G.
POLYMERISATION DU PENTENE-1 EN PRESENCE
D'ISOPRENE SUR CATALYSEUR COMPLEXE (Polimerizatsiya Pentena-1 v Prisutstvi Isoprena na Kompleksnom Katalizatore). 7p (foreign text included) 7refs.
CNRS-VIIIb-1207.

Order from ETC: \$1.10 as TT-65-29240

Trans. in French of Akademiya Nauk SSSR, Doklady,
v155 n1 p136-8 1964.
Also available from CNRS as CNRS-VIIIb-1207.

I. Centre National de la
Recherche Scientifique,
Paris (France)

European Translations Centre

Abbreviated Manual on Domestically-Produced
Automotive Vehicles and Trailers, by Goryachev,
Korotkov, Perlin, 16 pp. UNCL

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ACSI H-7633
ID 2113072

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Apr 61

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A. A. Korotkov.

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No 4, 1959, pp 115-123.

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May 63

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Korotkov, A. A. and Li, Tsung-Ch'ang.
EFFECTS OF PREPARATION CONDITIONS ON THE
SPECIFICITY FOR THE POLYMERIZATION OF
PROPYLENE FOR CATALYSTS BASED ON
 $\text{p-TiCl}_3 + \text{Al}(\text{C}_2\text{H}_5)_3$ Pt. 1 of Effects of the Struc-
ture of Titanium Trichloride on the Stereospecificity
of Catalysts. [1961] 8p. 8 refs.
Order from RIS \$14.00

RIS G-314a

Trans. of Vysokomolekulyarnye Soedineniya (USSR)
1961, v. 3, no. 5, p. 686-690.

DESCRIPTORS: *Propenes, Polymerization, *Titanium
compounds, *Chlorides, Aluminum compounds, Ethyl
radicals, *Catalysts, Catalysts, Preparation, Crystal
structure, Stereochemistry, Polymers.

(Chemistry--Physical, TT, v. 7, no. 5)

62-12434

- I. Korotkov, A. A.
- II. Li, Tsung-Ch'ang
- III. Title: Effects of the
Structure ...
- IV. RIS G-314a
- V. Research Information
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Korotkov, A. A. and Li, Tsung-Ch'ang.
EFFECTS OF PREPARATION CONDITIONS ON THE
SPECIFICITY FOR THE POLYMERIZATION OF
PROPYLENE FOR CATALYSTS BASED ON
 δ - $\text{TiCl}_3 + \text{Al}(\text{C}_2\text{H}_5)_3$ Pt. 1 of Effects of the Struc-
ture of Titanium Trichloride on the Stereospecificity
of Catalysts. [1961] 8p. 8 refs.
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CHANGES IN THE STRUCTURE AND CATALYTIC
BEHAVIOR OF TITANIUM TRICHLORIDE AFTER
HEAT TREATMENT, Pt. 2 of Effects of the Structure
of Titanium Trichloride on the Stereospecificity of
Catalysts. [1961] 11p. 6 refs.
Order from RIS \$20.00

RIS G-314b

Trans. of Vysokomolekulyarnye Soedineniya (USSR)
1961, v. 3, no. 5, p. 691-693.

DESCRIPTORS: *Titanium compounds, *Chlorides,
*Catalysts, Catalysis, Heat treatment, Crystal
structure, Stereochemistry, X-ray diffraction analysis,
Electron microscopy, Chemical analysis.

(Chemistry--Physical, TT, v. 7, no. 5)

62-12435

- I. Korotkov, A. A.
- II. Li, Tsung-Ch'ang
- III. Title: Effects ...
- IV. RIS G-314b
- V. Research Information
Service, New York

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Korotkov, A. A. and Rakova, G. V.
COPOLYMERIZATION OF ISOPRENE WITH STYRENE
THROUGH BUTYLLITHIUM. [1963] 10p. 11 refs.
Order from OTS or SLA \$1.10 63-18414

Trans. of Vysokomolekulyarnye Soed[ineniya] (USSR)
1961, v. 3 [no. 10] p. 1482-1490.

DESCRIPTORS: *Isoprene, *Styrene, *Butyl radicals,
*Lithium compounds, Copolymerization, Reaction
kinetics, Catalysts.

The copolymerization of isoprene and styrene under
the influence of butyllithium in benzene at 30 C was
investigated (catalyst concentration 0.004 Mole/l,
over-all monomer concentration 2 Mole/l). The com-
position of the copolymer as function of the initial
monomer mixture obeys Wall's equation: $\lg A/A_0 =$
 $\lg B/B_0$. The monomer reactivity constants are $\alpha =$
(Materials--Plastics, TT, v. 10, no. 8) (over)

63-18414

1. Title: Butyllithium
1. Korotkov, A. A.
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Office of Technical Services

Dehydration of n-Amyl Alcohol Oxide, by I. S.
Lishanskiy, A. A. Korotkov, G. A. Andreyeva,
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KOROTKOV, 4 PP.

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NP 3, 1961, PP 632-635.

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AEC-tr-4497(p.452-5) Uncl.

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A. A. Korotkov and G. V. Rakova. Translated
from Trudy Vsesoyuz. Nauch.-Tekh. Konf. po
Primenen. Radioaktiv. i Stabil. Izotopov i
Izluchenii v Narod. Khoz. i Nauke, Moscow,
1957 (1958). Izotopy i Izlucheniya v Khim.,
p.358-60.

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Korotkov, A. A. and Rakova, G. V.
SYNTHÈSE DE L'ISOPRÈNE MARQUÉ AU ^{14}C (Simez
Izoprena, Mechennogo ^{14}C) tr. by Szyszman. 27 Dec 60
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no. R 1152 (text in French).
Order from OTS or SLA \$1.60

61-19579

Trans. in French of unidentified Russian mono.
Isotopes et Rayonnements en Chimie, Moscow, 1958,
p. 358-360.

DESCRIPTORS: *Isoprenes, Synthesis, *Carbon,
*Radioactive isotopes, *Acetylenes, Chemical reac-
tions.

(Chemistry--Organic, TT, v. 6, no. 10)

61-19579

- I. Korotkov, A. A.
- II. Rakova, G. V.
- III. CEA-tr-R1152
- IV. Commissariat à l'Énergie
Atomique (France)

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Polymerization of Isoprene With a Butyl Lithium
Catalyst, by A. A. Korothkov, N. N. Chesnokova, L. B.
Trukhmanova, 11 pp.

RUSSIAN, per, Vysokomol Soedin, Vol I, No 1, 1959,
pp 46-56.

PP

Sci - Chem

Apr 61

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The Synthesis and Investigation of Hybrid Polymers.
I. Styrene and Isoprene Block Polymers Formed by
Catalytic Polymerization in Solution Under the
Action of Butyl Lithium, by A. A. Korotkov, L. A.
Shibayev, L. M. Pyrkov, 4 pp.

RUSSIAN, per, Vysokomol Soedin, Vol I, No 3, 1959,
pp 443-453.

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Synthesis of Polymethyl Methacrylate With Regular Micro-
structure, by A. A. Korotkov, C. P. Mitsengendler, V. N.
Krasulina, 10 pp.

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ATC-RT-3611

Synthesis of 2-Tert-Butylbutadiene-1, 3,
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5 pp.

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Interaction of Alkylaluminum Chlorides and Triethyl-
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RUSSIAN, per, Vysokomol Soyedin, Vol I, No 7, 1959,
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MODIFICATION OF SOD-PODZOLIC SOILS UNDER MEADOW
VEGETATION, by A.A. Korotkov, 7 pp.

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Korotkov, A. A., Mitsengendler, S. P., and Aleev, K. M.
EFFECT OF DIETHYLETHYR ON THE COPOLY-
MERIZATION PROCESS OF BUTADIENE WITH
STYRENE. [1963] 7p. 10 refs.
Order from OTS or SLA \$1.10

63-18412

Trans. of Vysokomolekulyarnye Soed[ineniya] (USSR).
1960, v. 2 [no. 12] p. 1811-1816.
Another trans. is available from PP in Polymer Science
USSR, v. 3, no. 3, \$100.00/year.

DESCRIPTORS: *Butadienes, *Styrenes, *Ethyl ethers,
Vinyl radicals, Copolymerization, Addition reactions,
Catalysts, *Lithium compounds, Butyl radicals.

The effect of diethyl ether on the polymerization
kinetics of divinyl and styrene in benzene at 30 C and
on the composition of the resultant polymers was
investigated. Addition of 0.05 mole/l ether increases
the content of styrene units in the copolymer from 13
(Materials--Plastics, TT, v. 10, no. 9) (over)

63-18412

I. Title: Diethyl ether
I. Korotkov, A. A.
II. Mitsengendler, S. P.
III. Aleev, K. M.

Office of Technical Services

Investigation of the Copolymerization of Isoprene
With Piperylene and Diisopropenyl, by G. V. Rakova,
A. A. Korotkov, Li Tszun-Chan, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVI, No 3,
1959, pp 582-585.

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Investigation of the Copolymerization of Isoprene
and Divinyl by Butyllithium, by G. V. Rakova, A. A.
Korotkov, 4 pp.

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1958, pp 982-985.

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Sci - Chem

May 59

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Korotkov, A. A. and Chesnokova, N. N.
CATALYTIC COPOLYMERIZATION OF STYRENE
WITH BUTADIENE. [1961] 14p. 12 refs.
Order from OTS or SLA \$1.60

61-14970

Trans. of Vysokomolekulyarnyye Soyedineniya (USSR)
1960, v. 2 [no. 3] p. 365-374.

DESCRIPTORS: Catalysts, *Copolymerization,
*Styrenes, *Butadienes, Polymers, Chemical reactions.

(Chemistry--Organic, TT, v. 6, no. 1)

61-14970

I. Korotkov, A. A.
II. Chesnokova, N. N.

Office of Technical Services

A New Substitute for Ethyl Silicates,
by A. G. Korotkov, I. M. Magrilova. UNCL

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No 6, 1959, pp 47, 48.

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Sci - Chem

May 60

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Effect of Pressure on the Disruption of Stable
Burning of Porous Explosives, by A. F. Belyayev, 36
A. I. Korotkov, et al, 5 pp.
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pp 117-120. 9225804
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Role of Artesian Water Discharge in Formation
of Ionic Flow from Large Areas, by A. I. Korotkov,
4 pp.

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Sections, Vol CL, No 1-6, May, Jun 1963

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Jul 65

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Economy of the Western Union,
by H. Kershner, 2 pp.
Economic, op. Standard Union, 17 Jan 1964,
pp 2.
JPRS 24005

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The Development of Soviet Military
Theory in the Post War Years, by I.
Korotkov, 13 pp, RESEARCHED.
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Zhurnal, No 4, 1946, Moscow, pp. 39-50.
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Aug 65

I. Korotkov
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Internal Bremsstrahlung Accompanying β -decay of
p32, K. A. Korotkov, A. M. Chernikov, 3 pp.

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No 7, 1960, pp 899-902.

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Handbook on Radioisotopic Instruments for
Control and Automation of Technological
Products, by L. I. Korotkov.
RUSSIAN, bk, Spravochnik po Radioizotopnym
Priboram dlya Kontrolya i Avtomatizatsii
Tekhnologicheskikh Protssessov, 1963, pp 255.
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Mar 65

Periodic Report on Atomic Energy in USSR, by P. F.
Korotkov, 13 pp.

RUSSIAN, per, Zhur Prih Mekh i Tekh Fiz, No 3,
May/Jun 1961, p 25.

AP-1490316

Sci - N. Phys

Mar 62

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Abstract of
Polymerization With Na-Alkyls and Structure of the
Resulting Polymers, by A. A. Korotkov, N. N. Motovilova

All-Union Synthetic Rubber Research Institute

CIA/FDD X-2731

Abstract of
Polymerization of Methyl Methacrylate With Butyl
Lithium, by A. A. Korotkov, S. P. Mitsenhendler,
V. N. Krasulina

High Polymers Institute Acad. Sci., USSR

CIA/FDD X-2731

The Question of the Action of Complex Catalysts for
the Polymerization of Vinyl Compounds. *if* A. A.
Korotkov, L. B. Trukhanov, 4 pp

RUSSIAN, per Dok Ak Nauk SSSR, Vol CXVII, No 4,
1957, pp 635-637.

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Sci - Chem

Oct 58

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The Effect of the Microstructure of Polyisoprene on
Its Properties, by A. A. Korotkov, K. B. Piotrovsky,
D. P. Feringer, 4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CX,
No 1, Sep/Oct 1956, pp 89-92. CIA 9033.502

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Sci - Chem

Dac 57

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Assoc Tech Serv / R-1448

TT-65-63875

Field 9A

Korotkov, A. F.
DEVICE FOR DISPLACING A BEAM ALONG A GIVEN
TRAJECTORY IN INSTALLATIONS FOR CATHODE RAY
PROCESSING. 19 Aug 65, 6p. FTD-TT-65-497;
AD-620 855.
Order from CFSTI, SLA, or ETC: HC\$1.00, MF\$0.50
as AD-620 855

Unedited rough draft trans. of Patent (USSR) 167 135.
Patent appl. no. 833560/25-8, 23 Apr 63, 2p.

I. Foreign Technology Div.,
Wright-Patterson AFB,
Ohio

TT-65-63875

Field 9A

Korotkov, A. F.
DEVICE FOR DISPLACING A BEAM ALONG A GIVEN
TRAJECTORY IN INSTALLATIONS FOR CATHODE RAY
PROCESSING. 19 Aug 65, 6p. FTD-TT-65-497;
AD-620 855.
Order from CFSTI, SLA, or ETC: HC\$1.00, MF\$0.50
as AD-620 855

Unedited rough draft trans. of Patent (USSR) 167 135.
Patent appl. no. 833560/25-8, 23 Apr 63, 2p.

I. Foreign Technology Div.,
Wright-Patterson AFB,
Ohio

A Study of Catalytic Polymerization of Diene Hydrocarbons by Means of Molecular-Weight Distribution of Polymers, by S. E. Bresler, A. A. Korotkov, M. I. Mosevitskiy, I. Ya. Poddubnyi, 5 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXVIII, No 1, 1958, pp 114-131.

Amer Inst of Phys
Sov Phys - Tech Phys
Vol III, No 1

Sci - Phys

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Sep 58

A γ -Ray Source (GIBE-800) for Radiobiological
Experiments, by A. V. Biber gall', M. H. Korotkov,
O. G. Arakelov, 5 pp.

RUSSIAN, per, Biofizika, Vol III, No 1, 1958,
pp 118-122.

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Sci - Med
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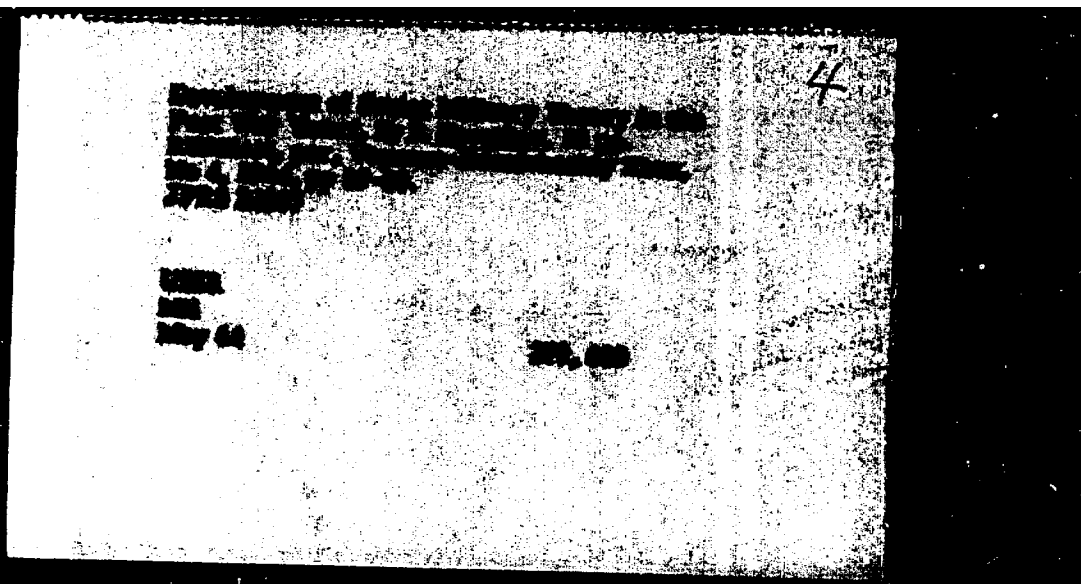
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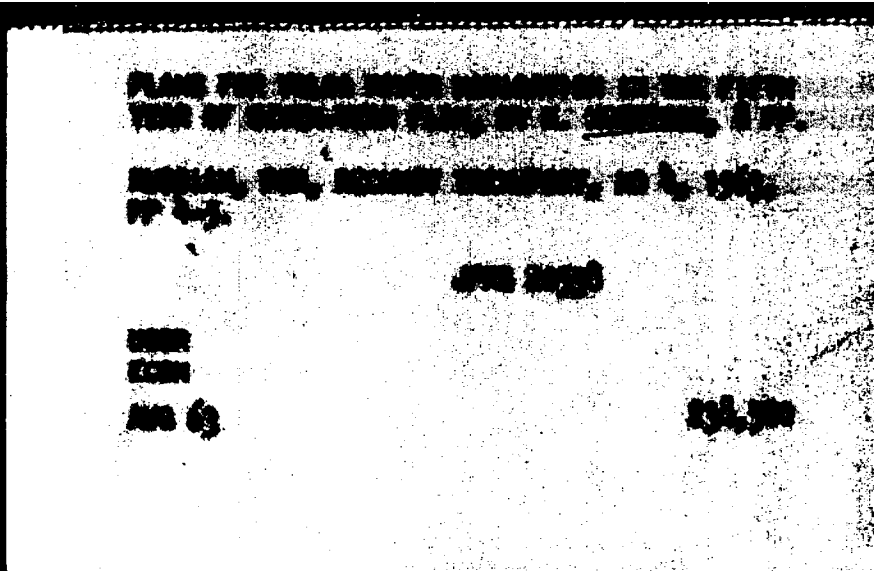
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